

Serial No. 09/585,444

Docket No. YHK-045

Clean Set of Amended Claims

1. (Amended) A plasma display panel, comprising;
a plurality of dielectric patterns formed on a substrate to have a convex surface;
a first electrode formed on the dielectric patterns and the substrate;
a second electrode for causing a discharge along with the first electrode; and
a dielectric layer provided between the first and second electrodes to make an
insulation between the first and second electrodes.

2. (Amended) The plasma display panel as claimed in claim 1, wherein the first electrode has lands and grooves complying with a wave shape made by the surfaces of the dielectric patterns and the substrate.

3. (Amended) The plasma display panel as claimed in claim 1, wherein the dielectric layer is entirely deposited on the substrate provided with the first electrode and the dielectric patterns to have a wave-shaped surface.

4. (Amended) The plasma display panel as claimed in claim 1, wherein the first and second electrodes cross each other with having the dielectric layer therebetween.

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5. (Amended) The plasma display panel as claimed in claim 4, wherein each of the plurality of dielectric patterns is formed in a stripe shape in a direction parallel to the second electrode.

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6. (Amended) The plasma display panel as claimed in claim 1, wherein a width of the dielectric pattern is adjusted to control a discharge distance between the first and second electrodes.

7. (Amended) The plasma display panel as claimed in claim 1, wherein the first electrode is an address electrode to which a data signal is applied, and the second electrode is a scanning electrode to which a scanning pulse synchronized with the data signal is applied.

8. (Amended) The plasma display panel as claimed in claim 1, further comprising:
a radio frequency electrode coupled with a radio frequency signal to cause a discharge along with the second electrode.

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9. (Amended) A plasma display panel, comprising:
a first electrode formed on a substrate;
a second electrode crossing the first electrode to cause a discharge along with the first electrode; and

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a dielectric pattern located between the first and second electrodes for making an insulation between the first and second electrodes, wherein the dielectric pattern is formed in a striped shape.

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10. (Amended) The plasma display panel as claimed in claim 9, wherein a thickness of the dielectric pattern is adjusted to control a leakage current between the first and second electrodes.

11. (Amended) The plasma display panel as claimed in claim 9, further comprising:
a dielectric layer coated entirely on the substrate provided with the first and second electrodes and the dielectric pattern.

12. (Amended) The plasma display panel as claimed in claim 9, wherein the dielectric pattern is formed in a striped shape running substantially parallel to the second electrodes.

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14. (Amended) The plasma display panel as claimed in claim 9, wherein the first electrode is an address electrode to which a data signal is applied, and the second electrode is a scanning electrode to which a scanning pulse synchronized with the data signal is applied.

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15. (Amended) The plasma display panel as claimed in claim 9, further comprising:
a radio frequency electrode coupled with a radio frequency signal to cause a
discharge along with the second electrode.
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C. Please add new claims 23-31 as follows:

23. (New) The plasma display panel as claimed in claim 9, comprising:
an upper panel including a radio frequency electrode.
24. (New) The plasma display panel as claimed in claim 9, wherein the dielectric pattern has a convex surface.
25. (New) The plasma display panel as claimed in claim 9, wherein the first electrode has lands and grooves complying with a wave shape made by the surfaces of the dielectric patterns and the substrate.
26. (New) The plasma display panel as claimed in claim 1, wherein the dielectric layer is entirely deposited on the substrate provided with the first electrode and the dielectric patterns to have a wave-shaped surface.
27. (New) A plasma display panel, comprising:
a first electrode formed on a substrate;
a second electrode crossing the first electrode to cause a discharge along with the first electrode;

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a dielectric pattern located between the first and second electrodes for making an insulation between the first and second electrodes, wherein the dielectric pattern has an island shape at an intersection between the first and second electrodes.

Ab cond. 28. (New) The plasma display panel of claim 27, further comprising a radio frequency electrode coupled with a radio frequency signal to cause a discharge along with the second electrode.

29. (New) The plasma display panel of claim 27, further comprising a dielectric layer coated entirely on the substrate provided with the first and second electrodes and the dielectric pattern.

30. (New) The plasma display panel of claim 27, wherein the first electrode is an address electrode to which a data signal is applied, and the second electrode is a scanning electrode to which a scanning pulse synchronized with the data signal is applied.

31. (New) A radio frequency plasma display panel, comprising:
a first electrode formed on a substrate;
a second electrode crossing the first electrode to cause a discharge along with the first electrode;

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a dielectric pattern, being patterned between the first and second electrodes to have a desired shape, for making an insulation between the first and second electrodes; and

a radio frequency electrode coupled with a radio frequency signal to cause a discharge along with the second electrode.
